

“PERU AMBIENTE” NGO

**Economically viable environmentally sound
energy and water-waste management projects**

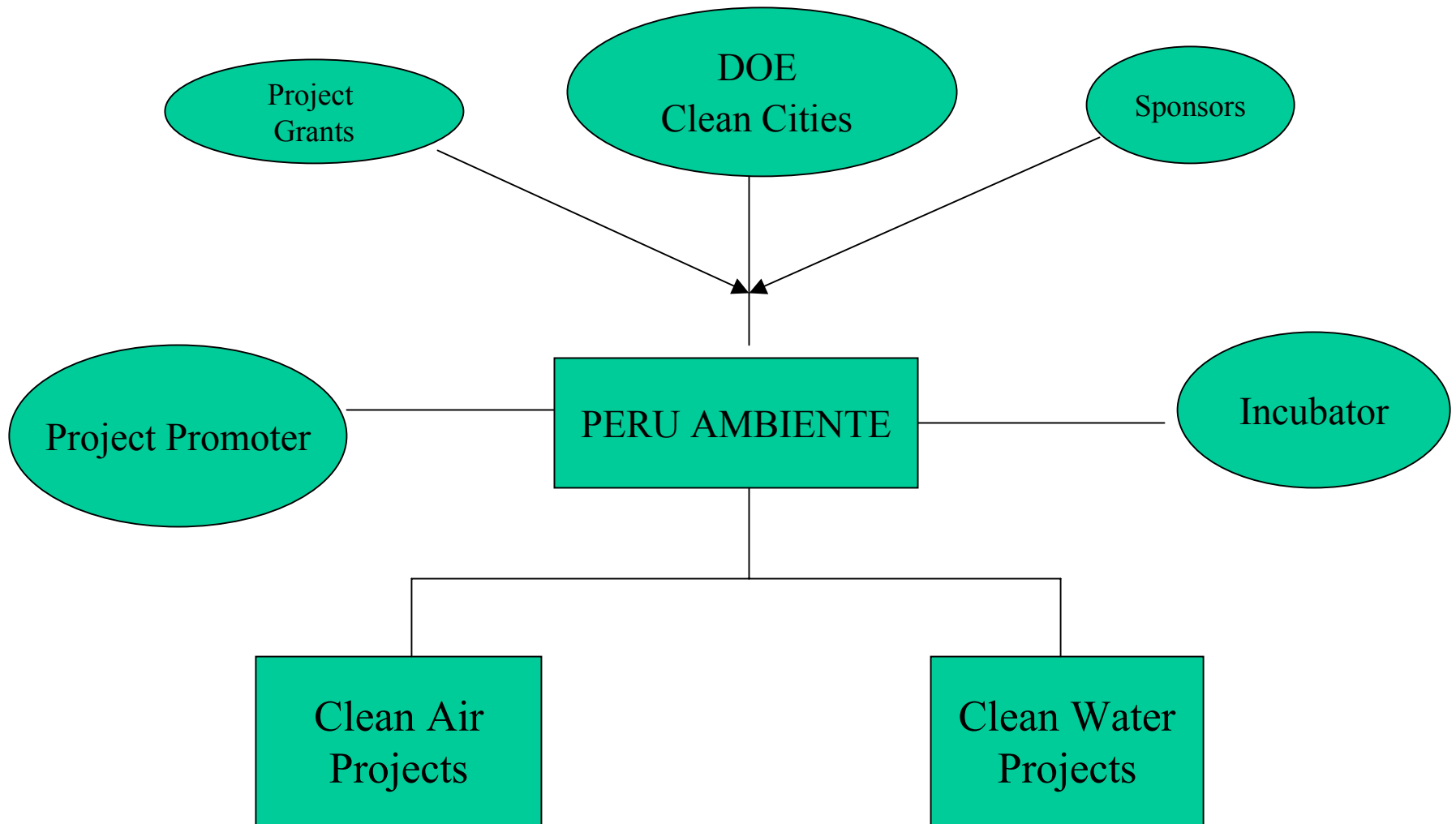
**Peru Clean Cities
US Department of Energy Program**

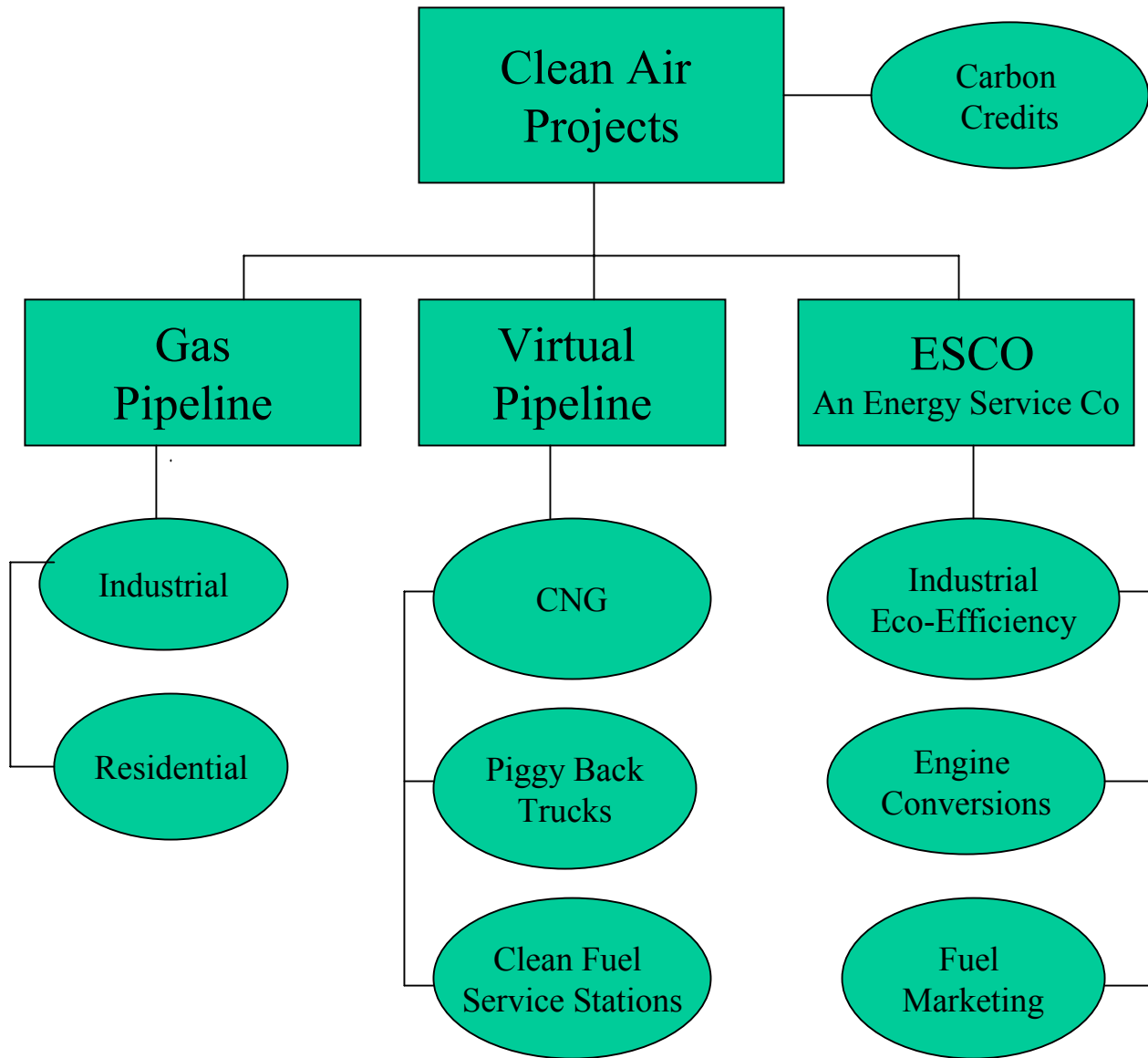
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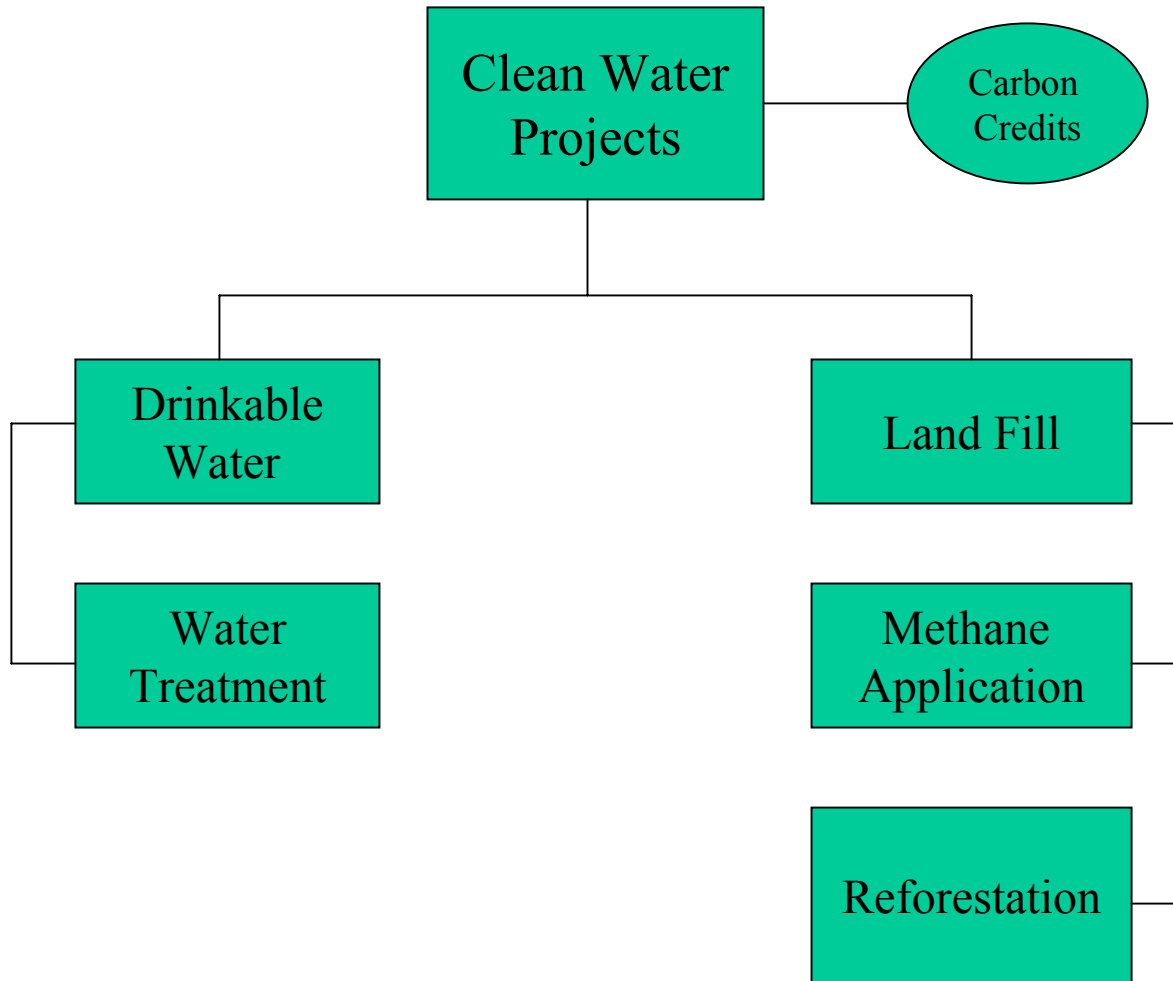
Clean City Incubator

PURPOSE

1. “Peru Ambiente” is an incubator which promotes economically viable sustainable projects, which are profitable and improve air and water quality, reduce respiratory and intestinal diseases and reduce public spending burdens.
2. Promotes free market, small and medium sized private enterprise initiatives to become eco-energy efficient and improve the environment.
3. Promotes friendly economically viable ecosystems to improve the community quality of life while providing energy owners energy efficiency.







Economic and Environmental Benefits

Climate Change Issues

- Energy applications would reduce energy operating costs by 25% or more and substitute out Dirty Fuels and Vegetable Fuels.
- Water and Waste Management professionally administered would provide an economic vehicle to access the public service to a larger portion of the population, improve health conditions and reduce dirty emissions.
- Reduce local and international contaminants to improve air quality and create Carbon Credits (CH₄ and CO₂ emission reductions).
- Improve health conditions, respiratory and intestinal diseases, as a consequence of emission reductions and reduce public spending budgetary needs.

Natural Gas Uses and Environment

- Natural Gas use would change the energy sources providing lower energy costs, improve environmental and health conditions and reduce global warming effects.
- Power Co-Generation to produce electric energy and steam would reduce total energy costs by fuel saving, improve industrial efficiency and the ecosystems.
- Alternative Fuel Vehicles market would substitute out Diesel and Gasoline for cleaner products and improve the owners cash flow as well as improve the environment.
- The “re-engineering” of the country energy source to the use of natural gas outside of delivering gas to Lima is estimated to have a long-range investment target cost in excess of \$3 billion.

Potable Water and Waste Water Management

- Potable water generation and distribution activities are municipal initiatives, which in most cases do not generate positive cash flows.
- Potable water systems for the most part have operating water losses in excess of 40% or more. Water quality in most cases is below a reasonable quality standard.
- Sewerage water is not adequately treated. Children and adults swim in contaminated waters, drink the water and/or use the waters for cooking purposes.
- Municipal water and waste management activities should be reorganized and be prepared for Public-Private Partnerships.
- The activities of potable water, wastewater and solid waste management should be consolidated into a company activity and the activity service should be invoiced as one integrated service providing reasonable quality service.
- Solid Waste Nitrogen Cycle:

Garbage collection, quarry compost to produce fertilized soil to improve the land's condition of a to be created Forest/Park. Use the generated methane gas (CH_4) for industrial purposes without causing environmental damages and reduce emissions and collect Carbon Credits.